

Title (en)  
EXHAUST GAS PURIFICATION DEVICE

Title (de)  
ABGASREINIGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE PURIFICATION DE GAZ D'ÉCHAPPEMENT

Publication  
**EP 1933014 A1 20080618 (EN)**

Application  
**EP 06783164 A 20060828**

Priority  
• JP 2006317392 W 20060828  
• JP 2005255138 A 20050902

Abstract (en)  
An ECU corrects a fuel addition interval, based on an amount of change between an exhaust gas temperature at present and a basic exhaust gas temperature obtained when a basic addition interval is set, to reduce the fuel addition interval with an increase in the amount of change in the exhaust gas temperature (steps ST1-ST4). With such correction of the addition interval, when the exhaust gas temperature is increased in a highland region or the like, the fuel addition interval is corrected to be reduced and an fuel addition amount is corrected to be increased according to the increase in the exhaust gas temperature. Thereby, an increase in a temperature at a tip portion of a fuel addition valve can be suppressed, and thus clogging of an ejection hole of the fuel addition valve with deposits can be avoided.

IPC 8 full level  
**F01N 3/36** (2006.01); **B01D 53/94** (2006.01); **F01N 3/025** (2006.01); **F01N 3/08** (2006.01); **F01N 9/00** (2006.01)

CPC (source: EP US)  
**B01D 53/9445** (2013.01 - EP US); **B01D 53/9495** (2013.01 - EP US); **F01N 3/0253** (2013.01 - EP US); **F01N 3/0842** (2013.01 - EP US); **F01N 3/0871** (2013.01 - EP US); **F01N 3/106** (2013.01 - EP US); **F01N 9/00** (2013.01 - EP US); **F01N 11/002** (2013.01 - EP US); **F01N 13/0097** (2014.06 - EP US); **B01D 2251/208** (2013.01 - EP US); **F01N 3/0814** (2013.01 - EP US); **F01N 2250/02** (2013.01 - EP US); **F01N 2250/14** (2013.01 - EP US); **F01N 2560/06** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **F01N 2610/1493** (2013.01 - EP US); **F01N 2900/1811** (2013.01 - EP US); **F02M 26/05** (2016.02 - EP US); **F02M 26/23** (2016.02 - EP US); **Y02T 10/12** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Cited by  
WO2010003424A1; CN102947568A; CN103003540A; EP2582945A4; CN103003538A; EP2582936A4; US9399940B2; US8371110B2; WO2011162698A1; WO2011162701A1; WO2011162699A1

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DE FR

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